Maharaja Agrasen Institute of Management Studies
IInd Internal examination BBA I SEMESTER
Paper Code: BBA 107
Subject: Computer Fundamentals

Time: 2Hours   Maximum Marks: 40

Q.1 (a) What is operating system? Why we need OS? What are different functions of operating system?   (7)

(b) Differentiate between system software and application software.   (3)

Or

(a) Classify the computer on the basis of processing speed, technology and storage capacity.   (7)

(b) Explain the difference between compiler and interpreter.   (3)

Q.2 Do the following operations: (10)

(a) $(2CD)_{16} = (?)_8$ and $(?)_2$

(b) $(1110)_2 / (101)_2$

(c) $(10111011)_2 - (1101)_2$ using complementary method

(d) $(7245)_8 = (?)_5$

Or

(a) $(1111010)_2 = (?)_{10}$ and $(?)_8$

(b) $(1111011011)_2 + (0101010111)_2$

(c) What is the value of the base and number of digits for decimal, hexadecimal, binary and octal number system?

(d) What do you mean by positional and non-positional number system?

Q.3 (a) Explain the differences among VGA, SVGA and XGA.   (3)

(b) What is optical disk? How read /write operation is carried out in optical disk. Write the formula for storage capacity of an optical disk.   (5)

(c) Give one use or application each of light pen and a joystick.   (2)

Or

(a) What do you mean by multitasking, multiprogramming and multiprocessing? Explain with the help of diagram.   (3)

(b) What do you understand by secondary storage? Why are disks and tapes called secondary storage devices? Can they be called primary storage devices? Why or why not?   (5)

(c) What is a cell in a spreadsheet? How is a range of cells identified?   (2)

Q.4 (a) Explain the following DOS commands with syntax and example:

(i) CHKDSK   (ii) COPY   (iii) RD   (iv) REN   (v) DEL   (5)

(b) What are the most common types of network topologies? Explain.   (5)

Or

(a) What are the types of transmission media? Explain with diagram.   (5)

(b) Explain different types of transmission modes with diagram.   (5)